

ABSTRACT

N-pyrazole substituted 2-adenosine compounds and methods for using the compounds as A_{2A}-adenosine receptor agonists useful to stimulate mammalian coronary vasodilation for therapeutic purposes and as adjuncts in cardiological imaging.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
28 December 2000 (28.12.2000)

PCT

(10) International Publication Number
WO 00/78779 A3

(21) International Patent Classification⁷: C07H 19/16, A61K 31/7076, 49/00, A61P 9/00

(21) International Application Number: PCT/US00/40281

(22) International Filing Date: 21 June 2000 (21.06.2000)

(23) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 09/338,185 22 June 1999 (22.06.1999) US

(71) Applicant (for all designated States except US): CV THERAPEUTICS, INC. [US/US]; 3172 Porter Drive, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ZABLOCKI, Jeff, A. [—/US]; 580 Sleeper Avenue, Mountain View, CA 94040 (US). ELZEIN, Elfatih, O. [—/US]; 4644 Creekwood Drive, Freemont, CA 94555 (US). PALLE, Venkata, P. [—/US]; 600 Rainbow Drive, Mountain View, CA 94041 (US).

(74) Agent: HUGHES, A., Blair, McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, Chicago, IL 60606 (US).

(81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

(88) Date of publication of the international search report: 15 March 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A3
WO 00/78779 A3(54) Title: N-PYRAZOLE A_{2A} RECEPTOR AGONISTS(57) Abstract: 2-Adenosine N-pyrazole compounds having formula (1) and methods for using compounds as A_{2A} receptor agonists to stimulate mammalian coronary vasodilatation for therapeutic purposes and for purposes of imaging the heart.